25 43 3
25 43 3
25 43 3
25-43 3

WELL RECORD

Well is located 0 miles N E S W and 0 miles N E S W from

Andrew (Nearest Town) in Jackson (County),

in the ____ ¼ ____ ¼ Sec. ____ T. ____ R. ____

Owner Town of Andrew Well No. 2

Postoffice address ____

Contractor Ogden Well Drilling Co.

Address RR1 Box 167 Manchester

Driller Rich + John.

Well begun 6-14, 1978;

completed ____, 19____

Rig used—Cable, Rotary, Jet, or ____

Depth of well 1235 (Feet)

Size of hole (note total amount of each size) ____

80'-18" '-12"

Main water supply at ____ (Feet below surface)

Final water head 305' (Feet above or below surface)

Is well pumped? ____

Yield ____ (Gallons per minute)

Water level when pumping ____

Position of well ____ (Upland, valley, side hill, etc.)

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type° and Weight of Pipe	DIAGRAM OF WELL
14"	65'	65'	surf.	steel	
8"	907'	900	surf	steel	

°As cast, wrought iron, steel, concrete, etc.

Is screen used?_____ Diameter_____ (Inches)

Length_____ (Feet) Depth to bottom_____

Depth to top_____ Slot size_____

Are packers or seals used?_____

Kind_____

Where used_____

Kind of pump_____ Dia._____ (Inches)

Capacity of pump_____ (g.p.m.)

Power used_____ (Kind and amount)

Depth to bottom of pump line_____ feet,

including_____ feet tailpiece.

Remarks on construction of well_____

SAMPLE NO.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	0-	46	46	~~Red~~ Clay
45-165 No SAMPLE	46-	124	78	Yellow Lime
	124	300	176	Gray Lime
	300	460	160	Shale
	460	730	270	Rock Brown
	730	745	15	Gray
	745	754	9	Shale Breaks
	754	820	66	Rock Brown - Shale Breaks 810-820
6 3/10	820	868	48	Sandstone
	868	1190	322	Rock Brown
	1190	1235	45	Sandstone

This community is located in central Jackson County along Highway 62 about six miles northeast of Maquoketa and mostly in the SE¼ sec. 22, T. 85 N., R. 3 E., Perry Township. Most of the town is built on a hill at a surface altitude ranging from 850 to 885 feet above sea level. An abbreviated log of the formations penetrated in the deep town well drilled in 1939 and additional anticipated strata down through the Jordan Sandstone is outlined as follows (all depths are referred to a starting altitude of 864 feet):

Formation	Depth Range (ft.)
Pleistocene Series (loess and glacial till)	0-50
Silurian System	
Hopkinton Dolomite	50-170
Kankakee-Edgewood Formations (dolomite, some chert, silty at base)	170-300
Ordovician System	
Maquoketa Formation (shale with considerable dolomite)	300-475
Galena Formation (dolomite and limestone with trace of chert in lower half)	475-710
Decorah-Platteville Formations (limestone and dolomite with thin shale in upper and basal part)	710-802
St. Peter Sandstone	802-860

additional anticipated strata-

Prairie du Chien Formation (dolomite, sandy in upper half, containing chert in lower half)	860-1150
Cambrian System	
Jordan Sandstone (includes Madison sandy dolomite at top)	1150-1225

Allowance should be made for error in the lower part of this section owing to local variations in the structure and thickness of the beds and because no deep drilling records are available from the near vicinity.

ICV A GEOLOGICAL SURVEY
TABULATION OF WATER ANALYSIS
(Dissolved constituents in parts per million)

Town - Well No. Owner	Date of coll.	Depth (ft.)	Geol. source	°F	Diss. solids	Fe	Mn	Ca	Mg	K	Na	CO_3	HCO_3	SO_4	Cl	F	NO_3	Hardness cal. as $CaCO_3$ tot.	carb	non carb	pH	Cond
Andrew Town No. 2 (1953)	1/4/70	247	Silurian	52	461	.36	<.05	96	39	1.3	17	0	371	54	34	0.2	33	400	304	96	7.4	910
Andrew Town (1939)	4/17/43	850±	Silurian & St. Peter	57	505	0.2	0	88	39	24		-	332	60	67	0	18	380	272	108	7.4	-

NOTES: